

Virtual Infrastructure with ESX Server and VirtualCenter 4: Install and Configure

Course Code: **VM-ESX**

Duration : 4 days



VMware-Certified Professional

Gain the in-depth skills and industry-recognized certification on VMware technology today! The VMware Certified Professional Program is designed for any technical individual -- partners, end-users, resellers, and consultants - who wants to demonstrate their expertise in virtual infrastructure and increase his potential for career advancement.

Overview

This hands-on training course explores installation, configuration, and management of VMware® vSphere™, which consists of VMware ESXi/ESX™ and VMware vCenter™ Server. Upon completion of this course, you can take the examination to become a VMware Certified Professional. The course is based on ESXi 4.0, ESX 4.0, and vCenter Server 4.0.

Audience

System administrators, systems engineers, and operators responsible for ESX Server and/or VirtualCenter.

Course Objectives

At the end of the course, you will understand the functionality in VMware Infrastructure 3 and be able to:

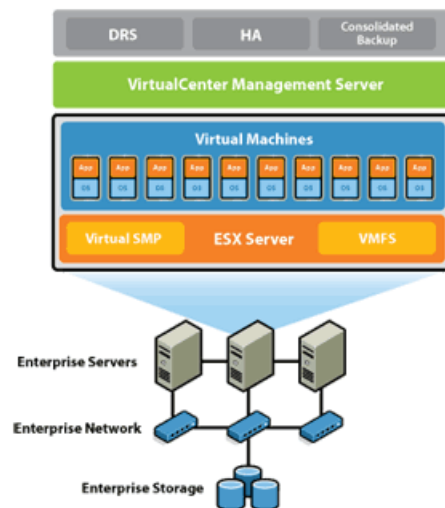
- Install and configure vCenter Server
- Configure and manage ESX networking and storage using vCenter Server
- Deploy and manage virtual machines
- Manage user access to the VMware infrastructure
- Increase scalability using vCenter Server
- Monitor resource usage using vCenter Server
- Apply patches using VMware vCenter Update Manager
- Manage higher availability and data protection using vCenter Server
- Best practices and lab exercises are interspersed throughout the course.

Prerequisites

System administration experience on Microsoft Windows or Linux operating systems.

Instructor

Course to be taught by a certified VMware professional with good experience.



REGISTRATION AND INFORMATION

education@ecs.com.sg
www.ecs.com.sg/training



Virtual Infrastructure with ESX Server and VirtualCenter 4: Install and Configure



Course Code: **VM-ESX**

Duration : 4 days

Outline

Module 1: Course Introduction

Module 2: Introduction to VMware Virtualization

Discussion of virtualization and vSphere components

Module 3: Configuring ESXi/ESX

Configuration of ESXi and ESX

Module 4: Installing and Using VMware vCenter Server

Install and configure vCenter Server, and use the VMware vSphere Client to manage vCenter Server inventory hierarchies

Module 5: Networking

Configuration of vNetwork standard and distributed switches, network connections, and port groups

Module 6: Storage

Storage management technologies

Module 7: Virtual Machines

Deploy virtual machines using templates, VMware vCenter Converter, Guided Consolidation

Modifying, managing, and migrating virtual machines

Module 8: Access Control

Controlling user access through roles and permissions

Module 9: Resource Monitoring

Workload assessment, monitoring using vCenter Server

Module 10: Scalability

VMware VMotion™ migrations

Setup of resource pools and VMware Distributed Resource Scheduler cluster

Module 11: High Availability and Data Protection

Setup of a VMware High Availability cluster

Backup and recovery of virtual machines using VMware Data Recovery

Module 12: Configuration Management

Patching using vCenter Update Manager

Module 13: Installing ESX

Installation of ESX

REGISTRATION AND INFORMATION

education@ecs.com.sg
www.ecs.com.sg/training

